

WE CLAIM

1. A method of capturing and processing sensed images, the method including the steps of:
sensing a viewed image to generate a viewed image signal carrying data representing the viewed image;
communicating the viewed image signal to a central processor;
reading a printed data storage device on which optically detectable data representing an image processing program is printed to generate a program signal carrying data representing the program;
communicating the program signal to the central processor; and
executing the program at the central processor so that the central processor carries out an image processing operation on the viewed image in accordance with instructions carried by the program to generate output image data.
2. A method as claimed in claim 1, which includes the steps of:
communicating the viewed image data to an image sensor interface;
writing the image data to the central processor from the image sensor interface;
converting the viewed image data into an internal data format capable of being subjected to said image processing operation; and
storing the converted image data in a memory device.
3. A method as claimed in claim 1, in which the step of reading the printed data storage device includes the steps of:
reading a two-dimensional code printed on a planar element to generate the program signal;
communicating the program signal to a reader interface; and
transforming the program signal into program script.
4. A method as claimed in claim 3, in which the step of reading the two-dimensional code includes the steps of:
detecting an area on the planar element on which the two-dimensional code is carried; and
detecting a bit pattern represented by the two dimensional code; and
writing the bit pattern as a byte pattern.
5. A method as claimed in claim 4, which includes the steps of:
applying unscrambling and XOR algorithms to the byte pattern to generate encoded data and decoding the data.
6. A method as claimed in claim 3 which includes the step of executing the program script at the central processor to carry out image processing steps on said converted image data.
7. A method as claimed in claim 1, which includes the step of communicating the output image data together with printing instructions to a printhead so that the output image data is printed on media as an output image.